

**METHOD AND SYSTEM FOR VERIFYING THE INTEGRITY OF
NORMAL SINUS RHYTHM TEMPLATES**

Abstract

5 A method and system for verifying the integrity of normal sinus rhythm
(NSR) templates and updating the NSR template after selected time intervals. At
selected time intervals after establishing a NSR template, cardiac complexes are
sensed and values for one or more cardiac parameters are measured. The values of
the cardiac parameters are compared to predetermined value ranges for NSR cardiac
10 complexes. When the values of the cardiac parameters fall within the predetermined
value ranges, values for the differences between the values of the cardiac parameters
for the cardiac complexes and the values for the cardiac parameters of the NSR
cardiac complexes are calculated. When the values of the differences are greater
than one or more threshold values, the NSR template is updated as a function of the
15 sensed cardiac complexes.

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